

Claims Status as of January 11, 2006

1-20 (cancelled)

21. (new) An arch shape cross section leaching chamber, having an inwardly sloped and upwardly curving sidewall running to an unperforated top; the sidewall having a multiplicity of inwardly flaring slots, spaced apart and running lengthwise along the chamber; wherein the basic axes of the slots slope downwardly as the axes run from the inside to the outside of the chamber sidewall; and wherein the slots have a combination of height, inward flare and downward slope axis which inhibits entry into the interior of the chamber of soil which is in contact with the chamber during use.

22. (new) The chamber of claim 21, wherein said included angle of flare is between 2 and about 12 degrees.

23. (new) The chamber of claim 21, wherein the slot heights measured at the interior of the chamber are in the range of about 0.105 inch to about 0.200 inch.

24. (new) The chamber of claim 22, wherein the slope of the basic axes of the slots is about 12 degrees as measured from the horizontal.

25. (new) The chamber of claim 23, wherein the slope of the basic axes of the slots is about 12 degrees as measured from the horizontal.

26. (new) A molded arch shape cross section leaching chamber having an inwardly curving sidewall running upwardly to the top; the sidewall having a multiplicity of inwardly flaring and spaced apart perforations, wherein the basic axes of the perforations slope downwardly, from the inside to the outside of the chamber sidewall; the chamber having a base flange with an upwardly extending lengthwise fin; and, wherein the extension of the downwardly sloping basic axes of at least some of said multiplicity of perforations intersects said fin.

27. (new) The chamber of claim 21, wherein the chamber further comprises a base flange which extends outwardly from the bottom of the sidewall, and an upwardly extending fin running along the outermost part of the base flange; wherein the extension of the basic axes of at least some of said multiplicity of slots intersects said fin.

28. (new) The chamber of claim 27, wherein the slope of the basic axes of the slots is about 12 degrees as measured from the horizontal.

29. (new) An arch shape cross section leaching chamber comprising: an unperforated top; inwardly sloped and upwardly curving opposing sidewalls running down from the top to the base of the chamber; each sidewall used to contact soil during use, each sidewall having a multiplicity of inwardly flaring horizontal slots which are spaced apart horizontally and vertically along the sidewall; wherein the basic axes of all the slots on each opposing sidewall slope downwardly at about the same angle, as the axes run from the inside to the outside of the chamber sidewall; wherein the slots have a combination of height, inward flare and downward slope axis which inhibits entry into the interior of the chamber of soil which is in contact with the chamber during use.

30. (new) The chamber of claim 29, wherein said included angle of flare is between 2 and about 12 degrees.

31. (new) The chamber of claim 29, wherein the slot heights measured at the interior of the chamber are in the range of about 0.105 inch to about 0.200 inch.

32. (new) The chamber of claim 30, wherein the slope of the basic axes of the slots is about 12 degrees as measured from the horizontal.

33. (new) The chamber of claim 29, wherein said included angle of flare is between 2 and about 12 degrees; wherein the slot heights measured at the interior of the chamber are in the range of about 0.105 inch to about 0.200 inch; and wherein the slope of the basic axes of the slots is about 12 degrees as measured from the horizontal.